

ABSTRACT

A first circuit board connectable to a second circuit board is disclosed. The first circuit board includes at least one set of contacts, a detection circuit, and a voltage generator. Each set of contacts is configured to receive an electrically conductive keypin for bridging a set of the contacts. The detection circuit is in signal communication with the contacts and produces a logic signal in response to a set of the contacts being bridged. The voltage generator is responsive to the logic signal and produces a voltage signal at a connector connectable to the second circuit board. The voltage signal at the connector has a first voltage in response to the keypin being disposed at a first location, and a second different voltage in response to the keypin being disposed at a second location, wherein at least one of the pin locations results in a set of the contacts being bridged.